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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/699,046

10/31/2003

Toshiyuki Kawashima

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27774

7590

03/17/2005

MAYER, FORTKORT & WILLIAMS, PC  
251 NORTH AVENUE WEST  
2ND FLOOR  
WESTFIELD, NJ 07090

EXAMINER

YENKE, BRIAN P

ART UNIT

PAPER NUMBER

2614

DATE MAILED: 03/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/699,046	<b>Applicant(s)</b> KAWASHIMA ET AL.	
	<b>Examiner</b> BRIAN P. YENKE	<b>Art Unit</b> 2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on PreAmendment (29 Oct 04).
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 October 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>15 Dec 04</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Drawings***

1. Figures 1-3 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moskovich, US 4,682,862 in view of Tsukagoshi et al., US 5,144,417.

In considering claims 1, 5-6, 8-13, 17 and 19-20,

Moskovich discloses a projection lens which is adapted to project an image from a CRT and consists of three lenses in order to accurately reproduce the image on a screen. Although, Moskovich does not explicitly recite the use of at least 3 image sources, however in the field of projection, a system can use one light source or multiple

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light sources in order to create an image. Moskovich also does not explicitly recites a shading element affixed to one of the lens elements. However, this feature of coloring/dyeing or soaking a lens to increase the color reproduction is conventional in the art. Thus the examiner relies on Tsukagoshi which discloses a CRT system (Fig 1, 2) where a set of lenses is utilized to reproduce each of the colors (red, green and blue). Tsukagoshi also discloses a system which increases the color reproduction of the lens by coloring/dyeing or soaking the lens.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Moskovich which discloses a three lens system to projection an image from a CRT to a screen, by increasing the color reproduction of the lens as performed by Tsukagoshi by coloring/dyeing or soaking the lens.

In considering claims 2-4, 7 and 18,

Neither Moskovich nor Tsukagoshi explicitly recite the nominal claimed features of opaque, grayscale translucent, color translucent or adhesive fixing. However, these nominal features are conventionally used and widely available to a designer/user whom wishes to implement these desired choices into a particular design/system. Thus the examiner takes "OFFICIAL NOTICE" regarding such elements.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Moskovich and Tsukagoshi which disclose a three lens projection system for a CRT which increases the color reproduction of each lens, by utilizing conventional lens elements (i.e. opaque, translucent etc...) based upon the needs/desirability of the system.

In considering claims 14-16,

Neither Moskovich nor Tsukagoshi explicitly recite the nominal features of alignment of the lens.

However, the alignment of a lens in a projection system is notoriously well known in order to provide a accurate reproduction of image data onto a screen. Thus the examiner takes "OFFICIAL NOTICE" regarding such alignment.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Moskovich and Tsukagoshi which disclose a three lens projection system for a CRT which increases the color reproduction of each lens, by aligning each lens in the system as done conventionally in order to accurately reproduce the input image data for viewing.

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure—see newly cited references on attached form PTO-892.
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Yenke whose telephone number is (571)272-7359. The examiner work schedule is Monday-Thursday, 0730-1830 hrs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, John W. Miller, can be reached at (571)272-7352.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

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**or faxed to:**

**(703) 872-9314**

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703)305-HELP.

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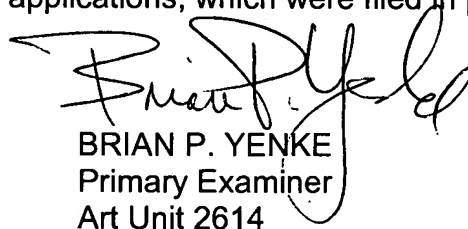
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For other technical patent information needs, the Patent Assistance Center can be reached through customer service representatives at the above

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BRIAN P. YENKE  
Primary Examiner  
Art Unit 2614

  
B.P.Y.

14 March 2005